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## Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

## 1-142. (Cancelled)

- 143. (Withdrawn) An isolated nucleic acid comprising a strand that is a template for an RNA molecule that comprises a sense nucleic acid sequence, an antisense nucleic acid sequence, and a cis-acting ribozyme sequence, wherein said sense nucleic acid sequence is complementary to said antisense nucleic acid sequence, and wherein said sense and antisense nucleic acid sequences form double-stranded RNA upon cleavage of said RNA molecule by said cis-acting ribozyme sequence.
- 144. (Withdrawn) The isolated nucleic acid of claim 143, wherein said antisense nucleic acid sequence is complementary to a viral mRNA sequence.
- 145. (Withdrawn) The isolated nucleic acid of claim 143, wherein said antisense nucleic acid sequence is complementary to a mammalian mRNA sequence.
- 146. (Withdrawn) The isolated nucleic acid of claim 143, wherein said sense nucleic acid sequence is from about 15 to about 50 nucleotides in length.
- 147. (Withdrawn) The isolated nucleic acid of claim 143, wherein said sense nucleic acid sequence comprises the sequence as set forth in SEQ ID NO: 1, 2, 3, 4, 5, 6, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, or 54.

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148. (Withdrawn) The isolated nucleic acid of claim 143, wherein said cis-acting ribozyme sequence is between said sense nucleic acid sequence and said antisense nucleic acid sequence.

- 149. (Withdrawn) The isolated nucleic acid of claim 143, wherein said nucleic acid comprises a promoter sequence that promotes transcription of said RNA molecule.
- 150. (Withdrawn) The isolated nucleic acid of claim 149, wherein said promoter sequence is a tissue-specific promoter, cell-specific promoter, or pathogen-specific promoter.
- 151. (Withdrawn) The isolated nucleic acid of claim 149, wherein said promoter sequence is an H1 promoter sequence or a U6 promoter sequence.
- 152. (Withdrawn) The isolated nucleic acid of claim 143, wherein said RNA molecule is transcribed from said nucleic acid when said nucleic acid is within a cell.
- 153. (Withdrawn) The isolated nucleic acid of claim 143, wherein said strand is a template for more than one cis-acting ribozyme sequence.
- 154. (Withdrawn) The isolated nucleic acid of claim 153, wherein each of said more than one cis-acting ribozyme sequence is different.
- 155. (Withdrawn) An isolated nucleic acid comprising a strand that is a template for an RNA molecule that comprises a sense nucleic acid sequence, an antisense nucleic acid sequence, and a cis-acting ribozyme sequence, wherein said sense nucleic acid sequence is complementary to said antisense nucleic acid sequence, wherein said sense and antisense nucleic acid sequences form a single-stranded RNA upon cleavage of said RNA molecule by said cis-acting ribozyme sequence, and wherein said single-stranded RNA contains no more than one hairpin loop structure and lacks RNA cleaving activity.

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156. (Withdrawn) The isolated nucleic acid of claim 155, wherein said nucleic acid is double stranded.

- 157. (Withdrawn) The isolated nucleic acid of claim 155, wherein said nucleic acid is single stranded.
- 158. (Withdrawn) The isolated nucleic acid of claim 155, wherein said strand is a template for more than one cis-acting ribozyme sequence.
- 159. (Withdrawn) The isolated nucleic acid of claim 158, wherein each of said more than one cis-acting ribozyme sequence is different.
- 160. (Currently amended) A method of identifying sequences capable of inducing RNA interference against a target mRNA, said method comprising:
- (a) introducing a vector preparation into cells, wherein each vector of said vector preparation comprises:
  - (1) a target nucleic acid sequence, wherein said target nucleic acid sequence is a template for said target mRNA;
  - (2) a reporter nucleic acid sequence, wherein said reporter nucleic acid sequence encodes a polypeptide, and wherein said target nucleic acid sequence and said reporter nucleic acid sequence are transcribed as a single fusion mRNA;
  - (3) a weak promoter sequence operably linked to said target nucleic acid and said reporter nucleic acid; and
  - (3) (4) a promoter sequence region, wherein said promoter sequence region comprises: (i) a member of a plurality of test nucleic acid sequences, and (ii) two a promoter sequences sequence operably linked to said member in an arrangement that promotes transcription of both strands of said member;
  - (b) identifying at least one cell lacking said polypeptide; and

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(c) obtaining the sequence of said member from said cell identified in step (b), thereby identifying said sequence as being capable of inducing RNA interference against said target mRNA.

- 161. (Previously presented) The method of claim 160, wherein said polypeptide is a fluorescent polypeptide.
- 162. (Previously presented) The method of claim 160, wherein said polypeptide is lethal to said cell.